

Mr. Joseph Pigott, Director  
Physical Planning Office

November 2, 1962

Marshall F. Crouch, Physics Department

### Space requirements for Case Amateur Radio Station

As you suggested in our telephone conversation, I have discussed plans for re-establishing the Case Amateur Radio Club with Dean Baker. I believe he has approved of the plan as outlined, and he has suggested that the president of the group petition the Senate for issuance of a probationary charter. Professor Martin has indicated that a transmitter in his department could probably be made available.

Regarding space, the requirements are these:

1. A room to house transmitting, receiving, code practice, etc. equipment. This should be a ground level room with its own outside door, and an arrangement of double cylinder locks or barrel bolts to isolate this room from the rest of the building. Alternatively, if space could be made available in some building which undergraduates are at liberty to enter during late evening hours, this might also be acceptable.
2. Flat roof space on which a small antenna installation could be placed. A shaft permitting the running of transmission lines from operating room to antenna would be helpful, though if necessary exterior lines could be run in a manner which would not be unsightly.
3. Modest power distribution. Since the Federal Communications Commission limits final amplifier power input to 1 KW for amateur stations, it is probably unnecessary to provide any special power outlets.
4. Authorization of issuance of room keys, probably for the club's five officers and faculty adviser.

As we discussed last summer the unused Sanitary Engineering Laboratory in the Main Building seems to be well-suited to our purpose. I believe there is sufficient space for this purpose, as well as a room which can be entered from the inside corridor which can serve the book exchange activities of Alpha Phi Omega. However, I hope that the requirements of an institute amateur radio station site will also be kept in mind in the longer range planning.

MFC:fp

CC Dean Baker  
Mrs. Orrick

Prof. Martin  
Mr. Slabinsky

Prof. Bolz